



U.S. Department  
of Transportation  
Pipeline and  
Hazardous Materials  
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0606/S-96, REVISION 1

400 Seventh Street, S.W.  
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model VZ-64/1.
2. Source Description - Cylindrical double encapsulation made of Type 321 stainless steel and tungsten inert gas seal welded. Approximate outer dimensions are 6.5 mm (0.256 in.) in diameter and 16.1 mm (0.634 in.) in length. Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. 60041, Rev. A.
3. Radioactive Contents - No more than 111 GBq (3 Ci) of Cobalt-60. The Co-60 is in solid metallic form.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on April 30, 2012.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

**CERTIFICATE USA/0606/S-96, REVISION 1**


This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the March 26, 2007 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



**Apr 02 2007**

(DATE)

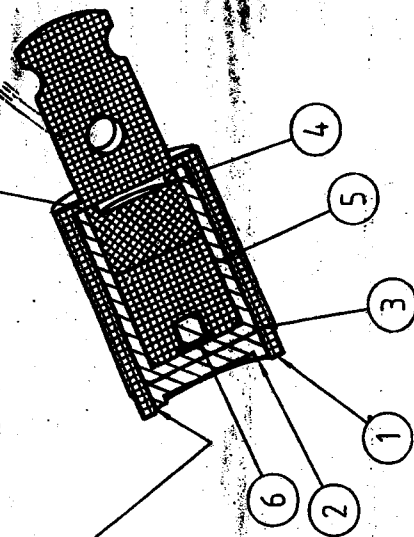
 Bob Richard

Deputy Associate Administrator for Hazardous Materials Safety

Revision 1 - Issued to extend the expiration date.

TIG WELD  
PARTS 3 & 4  
5mm PENETRATION

TIG WELD  
PARTS 1 & 2  
3mm PENETRATION



A-A



REV.		REVISIONS		APPROVALS		DATE	
REV.		DESCRIPTION		APPROVALS		DATE	
A	148	INITIAL RELEASE		SEE TITLE		BLOCK	

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40 NORTH AVE, BURLINGTON, MA 01803

TITLE: CAPSULE ASSEMBLY, Co60,  
BACKSHIELDED, VZ TYPE.

SIZE/DWG. NO. 60041

REV. A

SHEET 1 OF 1

MATERIALS:		REF BOM		CLEAN	
PROTECTIVE FINISH:		UNLESS OTHERWISE SPECIFIED:		DRAWN	
1. DIMENSIONS ARE IN INCHES.		2. MIN SURFACE TEXTURE: RZ		28 NOV 01	
3. DIMENSIONS APPLY AFTER FINISH.		4. REMOVE BURRS AND SHARP EDGES.		CHECKED	
5. DO NOT SCALE DRAWING.		6. TOLERANCES:		APPL	
FRACTIONS: $\pm 1/64$		X $\pm 0.1$		QUALITY CLASS	
ANGLES: $\pm 1^\circ$		X $\pm 0.005$		A	



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**CERTIFICATE NUMBER:** USA/0606/S-96, Revision 1

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